

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|------------------------------|------------------|---------|------------------|
| L1 | 0 | "20020179148".pn. and nematic | US-PGPUB; USPAT; USOCR | AND | ON | 2009/03/07 11:57 |
| S1 | 5 | ((("5097352") or ("6288767")) or ("5047847") or ("5150234") or ("5052791")).PN. | US-PGPUB; USPAT | OR | OFF | 2007/08/20 15:35 |
| S2 | 0 | S1 and (phone or telephone or mobile) | US-PGPUB; USPAT | AND | ON | 2007/08/20 15:29 |
| S3 | 0 | S1 and diffractive | US-PGPUB; USPAT | AND | ON | 2007/08/20 15:35 |
| S4 | 0 | S1 and diffraction | US-PGPUB; USPAT | AND | ON | 2007/08/20 15:38 |
| S5 | 1 | (endoscope same telephone).ab. | US-PGPUB; USPAT | AND | ON | 2007/08/20 15:40 |
| S6 | 1 | (endoscope same phone).ab. | US-PGPUB; USPAT | AND | ON | 2007/08/20 15:40 |
| S7 | 5 | (endoscope same mobile).ab. | US-PGPUB; USPAT | AND | ON | 2007/08/20 15:40 |
| S8 | 1 | (endoscope same telephone).ab. | US-PGPUB; USPAT | AND | ON | 2007/08/20 15:40 |
| S9 | 145 | (endoscope same telephone) | US-PGPUB; USPAT | AND | ON | 2007/08/20 15:41 |
| S10 | 7 | S9 and @ad< "19970610" | US-PGPUB; USPAT | AND | ON | 2007/08/20 15:45 |
| S11 | 689 | varifocal | US-PGPUB; USPAT | AND | ON | 2007/08/20 15:45 |
| S12 | 395 | S11 and camera | US-PGPUB; USPAT | AND | ON | 2007/08/20 15:45 |
| S13 | 232 | S12 and @ad< "19970610" | US-PGPUB; USPAT | AND | ON | 2007/08/20 15:46 |
| S14 | 9 | S13 and (phone or telephone or mobile) | US-PGPUB; USPAT | AND | ON | 2007/08/20 15:46 |
| S15 | 7 | (US-6288767-\$ or US-5150234-\$ or US-5097352-\$ or US-5052791-\$ or US-5047847-\$ or US-6469683-\$ or US-4943860-\$).did. | USPAT | AND | ON | 2007/08/20 15:54 |
| S16 | 5 | S15 and camera | USPAT | AND | ON | 2007/08/20 16:13 |
| S17 | 6 | (variable same optical same (telephone or phone or mobile)).ab. | USPAT | AND | ON | 2007/08/20 16:16 |
| S18 | 174 | (348/211.2).OCLS. | US-PGPUB; USPAT | OR | OFF | 2007/08/20 16:16 |
| S19 | 35 | S18 and @ad< "19970610" | US-PGPUB; USPAT | AND | ON | 2007/08/20 16:24 |

EAST Search History

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| S20 | 9 | S19 and zoom | US-PGPUB; USPAT | AND | ON | 2007/08/20 16:31 |
| S21 | 3012 | (455/556.1,557).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/08/20 16:31 |
| S22 | 313 | S21 and lens | US-PGPUB; USPAT | AND | ON | 2007/08/20 16:31 |
| S23 | 8 | S22 and @ad<"19970610" | US-PGPUB; USPAT | AND | ON | 2007/08/20 16:45 |
| S24 | 1 | S23 and (diffractive or diffraction) | US-PGPUB; USPAT | AND | ON | 2007/08/20 16:46 |
| S25 | 1 | ("5889567").PN. | US-PGPUB; USPAT | OR | OFF | 2007/08/20 16:48 |
| S26 | 1 | S25 and (diffractive or diffraction) | US-PGPUB; USPAT | AND | ON | 2007/08/20 16:48 |
| S27 | 0 | S25 and (diffractive or diffraction) and camera | US-PGPUB; USPAT | AND | ON | 2007/08/20 16:49 |
| S28 | 106287 | ("348").CLAS. | US-PGPUB; USPAT | OR | OFF | 2007/08/20 16:49 |
| S29 | 456 | S28 and camera and (diffractive or diffraction) and @ad<"19970610" | US-PGPUB; USPAT | AND | ON | 2007/08/20 16:49 |
| S30 | 103 | S28 and camera and ((diffractive or diffraction) same "optical system") and @ad<"19970610" | US-PGPUB; USPAT | AND | ON | 2007/08/20 16:52 |
| S31 | 45 | S28 and camera and ((diffractive or diffraction) same "optical element") and @ad<"19970610" | US-PGPUB; USPAT | AND | ON | 2007/08/20 16:53 |
| S32 | 30 | S28 and camera and ((diffractive or diffraction) with "optical element") and @ad<"19970610" | US-PGPUB; USPAT | AND | ON | 2007/08/20 16:56 |
| S33 | 4129 | "diffractive optical element" | US-PGPUB; USPAT | AND | ON | 2007/08/20 16:56 |
| S34 | 404 | S33 and @ad<"19970610" | US-PGPUB; USPAT | AND | ON | 2007/08/20 16:56 |
| S35 | 115 | S34 and (camera or imager or "imaging device") | US-PGPUB; USPAT | AND | ON | 2007/08/20 16:57 |
| S36 | 101 | S35 not S32 | US-PGPUB; USPAT | AND | ON | 2007/08/21 08:44 |
| S37 | 1 | ("5825406").PN. | US-PGPUB; USPAT | OR | OFF | 2007/08/21 08:44 |
| S38 | 1 | S37 and zoom | US-PGPUB; USPAT | AND | ON | 2007/08/21 09:24 |
| S39 | 1 | ("5052791").PN. | US-PGPUB; USPAT | OR | OFF | 2007/08/21 09:24 |
| S40 | 1 | S39 and camera | US-PGPUB; USPAT | AND | ON | 2007/08/21 11:14 |

EAST Search History

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| S41 | 0 | S37 and viewfinder | US-PGPUB; USPAT | AND | ON | 2007/08/21 11:14 |
| S42 | 0 | S37 and preview | US-PGPUB; USPAT | AND | ON | 2007/08/21 12:56 |
| S43 | 529 | (348/340).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/08/21 12:56 |
| S44 | 0 | ("I7and@ad< 199705610").PN. | US-PGPUB; USPAT | OR | OFF | 2007/08/21 12:57 |
| S45 | 527 | S43 and @ad< "199705610" | US-PGPUB; USPAT | AND | ON | 2007/08/21 12:57 |
| S46 | 100 | S43 and @ad< "19970610" | US-PGPUB; USPAT | AND | ON | 2007/08/21 12:57 |
| S47 | 293 | 348/342 | US-PGPUB; USPAT | AND | ON | 2007/08/21 12:57 |
| S48 | 70 | S47 and @ad< "19970610" | US-PGPUB; USPAT | AND | ON | 2007/08/21 12:58 |
| S49 | 361 | 348/347 | US-PGPUB; USPAT | AND | ON | 2007/08/21 12:57 |
| S50 | 192 | (348/342).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/08/21 12:58 |
| S51 | 85 | S50 and @ad< "19970610" | US-PGPUB; USPAT | AND | ON | 2007/08/21 12:58 |
| S52 | 202 | (348/347).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/08/21 12:58 |
| S53 | 117 | S52 and @ad< "19970610" | US-PGPUB; USPAT | AND | ON | 2007/08/21 12:58 |
| S54 | 1 | "20040179148".pn. and polariz\$4 | US-PGPUB; USPAT | AND | ON | 2008/10/27 11:39 |
| S55 | 0 | "20040179148".pn. and (magnify\$4 of magnification) | US-PGPUB; USPAT | AND | ON | 2008/10/27 11:41 |
| S56 | 0 | "20040179148".pn. and (variable adj focal) | US-PGPUB; USPAT | AND | ON | 2008/10/27 11:42 |
| S57 | 0 | "20040179148".pn. and (variable\$focal) | US-PGPUB; USPAT | AND | ON | 2008/10/27 11:42 |
| S58 | 1 | "20040179148".pn. and (focal adj length) | US-PGPUB; USPAT | AND | ON | 2008/10/27 11:42 |
| S59 | 2561 | (variable adj focal adj length) | US-PGPUB; USPAT | AND | ON | 2008/10/27 12:17 |
| S60 | 1 | (variable adj focal adj length adj characteristic) | US-PGPUB; USPAT | AND | ON | 2008/10/27 12:17 |
| S61 | 497 | (variable adj focal adj length) with (zoom adj lens) | US-PGPUB; USPAT | AND | ON | 2008/10/27 12:20 |
| S62 | 20 | (variable adj focal adj length) with (zoom adj lens) same (property or characteristic) | US-PGPUB; USPAT | AND | ON | 2008/10/27 12:20 |
| S63 | 3 | S62 and @ad< "19970610" | US-PGPUB; USPAT | AND | ON | 2008/10/27 12:20 |

EAST Search History

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| S64 | 1 | "5134432".pn. and (zoom adj lens) | US-PGPUB; USPAT | AND | ON | 2008/10/27 12:22 |
| S65 | 5023 | diffractive adj optical adj element | US-PGPUB; USPAT | AND | ON | 2008/10/27 13:56 |
| S66 | 122306 | ("348").CLAS. | US-PGPUB; USPAT | OR | OFF | 2008/10/27 13:56 |
| S67 | 226 | S65 and S66 | US-PGPUB; USPAT | AND | ON | 2008/10/27 13:56 |
| S68 | 27 | S67 and @ad<"19970610" | US-PGPUB; USPAT | AND | ON | 2008/10/27 13:56 |
| S69 | 1 | "5920418".pn. and diffractive | US-PGPUB; USPAT | AND | ON | 2008/10/27 14:00 |
| S70 | 1 | "5739800".pn. and diffractive | US-PGPUB; USPAT | AND | ON | 2008/10/27 15:34 |
| S71 | 0 | "5739800".pn. and viewfinder | US-PGPUB; USPAT | AND | ON | 2008/10/27 15:37 |
| S72 | 1 | "5739800".pn. and display | US-PGPUB; USPAT | AND | ON | 2008/10/27 15:37 |
| S73 | 0 | diffractive with (chromatic adj aberration) | US-PGPUB; USPAT | AND | ON | 2008/10/27 15:40 |
| S74 | 0 | diffractive with (chromatic adj aberration) | US-PGPUB; USPAT | AND | ON | 2008/10/27 15:40 |
| S75 | 1018 | diffractive with (chromatic adj aberration) | US-PGPUB; USPAT | AND | ON | 2008/10/27 15:40 |
| S76 | 46 | S66 and S75 | US-PGPUB; USPAT | AND | ON | 2008/10/27 15:41 |
| S77 | 6 | S76 and @ad<"19970610" | US-PGPUB; USPAT | AND | ON | 2008/10/27 15:41 |
| S78 | 118 | S75 and @ad<"19970610" | US-PGPUB; USPAT | AND | ON | 2008/10/27 15:42 |
| S79 | 0 | "6157488".pn. and polariz\$4 | US-PGPUB; USPAT | AND | ON | 2008/10/27 15:45 |
| S80 | 4 | ("4426130" "4729640" "5048925" "5175647").PN. | US-PGPUB; USPAT; USOCR | AND | ON | 2008/10/27 15:53 |
| S81 | 0 | "782558".pn. and camera | US-PGPUB; USPAT; USOCR | AND | ON | 2008/10/27 15:56 |
| S82 | 0 | "4729640".pn. and camera | US-PGPUB; USPAT; USOCR | AND | ON | 2008/10/27 15:57 |

EAST Search History

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| S83 | 740 | (diffractive adj optical adj element).ti. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/10/27 15:57 |
| S84 | 49 | S83 and @ad<"19970610" | US-PGPUB; USPAT | AND | ON | 2008/10/27 15:58 |
| S85 | 5 | ((("5097352") or ("6288767") or ("5047847") or ("5150234") or ("5052791"))).PN. | US-PGPUB; USPAT | OR | OFF | 2008/10/27 16:06 |
| S86 | 0 | S85 and diffraction | US-PGPUB; USPAT | AND | ON | 2008/10/27 16:06 |
| S87 | 0 | "5745289".pn. and S86 | US-PGPUB; USPAT | AND | ON | 2008/10/27 16:06 |
| S88 | 1 | "5745289".pn. and "s4" | US-PGPUB; USPAT | AND | ON | 2008/10/27 16:06 |
| S89 | 1 | "5745289".pn. and camera | US-PGPUB; USPAT | AND | ON | 2008/10/27 16:20 |
| S90 | 1 | ("20050174439").PN. | US-PGPUB; USPAT | OR | OFF | 2008/10/28 11:57 |
| S91 | 3 | ("20010008449" "5801773" "7038724").PN. | US-PGPUB; USPAT | AND | ON | 2008/10/28 12:01 |
| S92 | 529 | (focal length) with (chang\$4 or var\$5 or alter\$4) with liquid crystal | US-PGPUB; USPAT | AND | ON | 2009/03/05 16:14 |
| S93 | 463 | (focal length) with (chang\$4 or var\$5 or alter\$4) with (liquid adj crystal) | US-PGPUB; USPAT | AND | ON | 2009/03/05 16:14 |
| S94 | 95 | S93 and @ad<"19970610" | US-PGPUB; USPAT | AND | ON | 2009/03/05 16:14 |
| S95 | 3 | ("4190330" "4679911" "5071229").PN. | US-PGPUB; USPAT; USOCR | AND | ON | 2009/03/05 16:16 |
| S96 | 1 | "5071229".pn. and (polarizing adj plate) | US-PGPUB; USPAT; USOCR | AND | ON | 2009/03/05 16:19 |
| S97 | 25 | ("5071229").URPN. | USPAT | AND | ON | 2009/03/05 16:27 |
| S98 | 25 | ("5071229").URPN. | USPAT | AND | ON | 2009/03/05 16:27 |
| S99 | 6 | ("3890628" "4037929" "4190330" "4601545" "4919520" "4927241").PN. | US-PGPUB; USPAT; USOCR | AND | ON | 2009/03/05 16:28 |
| S100 | 1 | "4919520".pn. and (camera or imaging or polariz\$4) | US-PGPUB; USPAT; USOCR | AND | ON | 2009/03/05 16:48 |
| S101 | 1 | "4601545".pn. and (camera or imaging or polariz\$4) | US-PGPUB; USPAT; USOCR | AND | ON | 2009/03/05 16:51 |

EAST Search History

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| S10 2 | 1 | "4601545".pn. and (charge adj coupl\$4) | US-PGPUB; USPAT; USOCR | AND | ON | 2009/03/05 17:00 |
| S10 3 | 1 | "4601545".pn. and (sensor or image) | US-PGPUB; USPAT; USOCR | AND | ON | 2009/03/05 17:03 |
| S10 4 | 1 | "4190330".pn. and polariz\$4 | US-PGPUB; USPAT; USOCR | AND | ON | 2009/03/05 17:10 |